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(54) **System and method for spurious signal detection and compensation on an input device**

(57) A method for applying a first or second set of threshold values for touch sensor gesture recognition based on the presence of one of a plurality of predetermined conditions is described herein. The plurality of predetermined conditions can include one or more of a lift detection, a speed threshold detection, and a button press detection. Lift detection can be detected by one or more of an optical sensor, gyroscope, or accelerometer. Speed detection can be detected by one or more of an optical sensor, gyroscope, or accelerometer. Button detection can be detected by a mechanical button, pressure sensitive button, or a touch sensor.

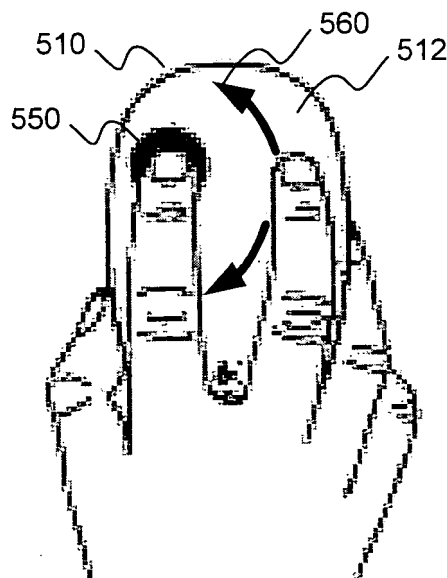


FIG. 5E



EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 3 March 2016	Examiner Vieira, Alexandre
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 13 00 0519

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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